

IN THE CLAIMS:

Please amend claims 1-4, 9, 15, 17, and 19 as follows:

1. (Twice amended) A communication system for interacting with a switched circuit network and for providing multiple line appearances at a terminal of a computer network, the system comprising:

a gateway in communication with the switched circuit network, the gateway being operative to translate switched circuit network-compatible signals into computer network-compatible signals; and

a signal routing agent in communication with the gateway and with one or more terminals, the signal routing agent being operative to receive plural incoming calls from the gateway addressed to a selected one of the terminals and programmed to simultaneously transmit plural line appearance signals [corresponding to] that identify origins of the incoming calls to the selected terminal.

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2. (Twice amended) The system of claim 1, wherein said terminal includes a user interface configured to simultaneously display multiple line appearance messages [corresponding to] that identify the origins of the incoming calls [and] as received from the signal routing agent.

3. (Amended) The system of claim 1 for use with plural interrelated terminals in a key system configuration, and wherein:

the signal routing agent is in communication with the respective terminals, and is responsive to receipt of an incoming call to transmit a corresponding line appearance signal that identifies an origin of the incoming call to each of the respective terminals.

4. (Twice amended) The system of claim 1 further including:

a configuration database storing terminal information; and wherein:
the signal routing agent is responsive to receipt of an incoming call addressed to one of the terminals to access the configuration database, identify one or more terminals to receive line appearances [for] that identify an origin of the incoming call, and [to] transmit a line appearance message to the identified one or more terminals.

9. (Twice amended) A communication system for mapping a single incoming call concurrently to plural terminals of a computer network, the system comprising:

a signal routing agent;

a gateway adapted to receive the incoming call, the gateway being operative to translate the incoming call into computer network-compatible signals;

at least one gatekeeper in communication with the gateway and responsive to receipt of the incoming call to control the gateway to transmit the computer network-compatible signals to the signal routing agent; and

the signal routing agent being responsive to receipt of the computer network-compatible signals to identify corresponding ones of the terminals assigned to receive the computer network-

compatible signals and to transmit line appearance messages that identify an origin of the incoming call to each of the terminals.

15. (Twice amended) A method of concurrently displaying plural line appearances at a terminal end-point in a computer network, comprising the steps of:

- receiving plural incoming calls directed to a particular address;
- accessing a configuration database to identify at least one end-point associated with the address;
- transmitting plural line appearance signals that identify origins of the incoming calls to each of the end-points; and
- displaying the plural line appearances at each of the end-points.

17. (Twice amended) A method of mapping a single incoming call addressed to a particular dialed number to plural terminals via an H.323-based communication system, comprising the steps of:

- receiving the incoming call;
- translating the incoming call into an H.323-compatible signal;
- accessing a configuration database to identify the terminals corresponding to the dialed number; and
- transmitting line appearance signals that identify an origin of the incoming call to each of the identified terminals.